All COR ISO Recommendations

Latent Condition, Seismic and ISS

Friday, October 12, 2012 11:40:49 AM

Type	Rec #	ABU	Unit	Year (I/R)	LC or ISS Question #	LC Question ISS Question Seismic Area	Observation	Recommendation	Resolution	Due Date	Assigned To	Status
Latent Condition	690	D&R	#4 Rheniformer	2011	4-69	Are the control building air conditioning and pressurization adequate to prevent intrusion of toxics, flammables, or corrosive contaminants (if applicable)?	NO The north side door to the control room is a handicap access door that operates very, very slowly. Persons disable the door mechanism and leave the door open because of the door speed. This is a Shelter-in-Place building.	Consider modifying the door to ensure that it cannot be bypassed.	The door has been looked at and can't be adjusted to respond any faster, the Building can remain pressurized if all doors are closed. There is a project to seal any leaks in the upper section of the Control house to make it easier to pressurize the control house. Dave Curry to communicate to Operations requirements to secure all doors when shelter in place needed. Proposed completion 12/31/2011.	6/16/2012	Curry, David P.	Completed
Latent Condition	692	D&R	#4 Rheniformer	2011	2-35	Is equipment and instrumentation clearly labeled and are the equipment and instrument tag numbers used in the procedures?	Yes and yes, the equipment is clearly labeled and the procedures do reference the same tag numbers. The format of the instrument numbering in 4 Cat is not consistent throughout the manual or in the field. For example a Flow controller changed to a cascade level control may be called an FC on the Honeywell DCS and be tagged as an LV in the field	Consider making field instrument tags in 4 Rhen consistent with the DCS tag numbers.	Non-MOC HSE 198 conducted to identify specific valves in need of relabeling. Reminded participants that any valves or instrument tags that are confusing/ambiguous can be written up via Maximo work order for new labels. Also an email was sent to all crew personnel saying the same thing. TC92A/B are now properly labeled, field indications on V-3551 have been updated to be consistent with EOM (5psi dP max and a conversion table for inches water to LBS), no change needed for perc tank since actual level can be checked via radio and gage glass with PCO.	6/16/2012	Peterson, Paul M.	Completed

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ISS	7882	D&R	#4 RHENIFORMER	2011	4A10	Use fail-safe controls on loss of utilities?	Loss of instrument air in #4 and #5 Rheniformer causes of loss of recycle compressor shutdown, leading to loss of flow to furnace.	Consider reviewing #4 and #5 Rheniformer emergency procedures on loss of recycle compressor to ensure that it contains information pertaining to loss of instrument air and effects on compressor.	Review of #4 and #5 Rheniformer emergency procedures on loss of recycle compressor is complete and no changes are required. 4 Rhen Emergency procedure 204 Loss of Instrument Air, and 5 Rhen Emergency procedure 204 Loss of Instrument Air state that "Recycle compressor, K-XX50, will run circulating hydrogen holding pressure in the reactor section with separator pressure control valves, XXPC085 A and B closing". Therefore there is not a safety design that will cause loss of recycle flow on loss of instrument air. There are circumstances where a loss of instrument air at the recycle machines, due to failed tubing, failed check valves, plugging, inadvertent closing of valves. These circumstances are mitigated by procedures for loss of recycle hydrogen (EOM 306 at both plants).	6/16/2012	Peterson, Paul M.	Completed
ISS	7895	D&R	#4 RHENIFORMER	2011	4A23	Clear identification of equipment status – valves with rising stems, spectacle blinds, check valves with flow arrow?	Some orbit valves may have broken position indicators. Affects #4 and #5 Rheniformer and D&R Cooling Water Towers.	Consider reviewing #4 and #5 Rheniformer and D&R Cooling Water Towers for broken/missing indicators on orbit valves and repairing/replacing.	Orbit valves have been evaluated. Damaged orbit valves have been repaired. No further action necessary. Additional orbit valves needing repair will be repaired via Maximo process.	6/16/2012	Curry, David P.	Completed
Seismic	660	D&R	#4 RHENIFORMER	2011		E-3560A/B	Anchor bolts elevated with no access.	Provide ladder or scaffolding for engineer to verify presence of anchor bolts and nuts.	Maximo W/R 349282 has been created to perform work. Al Greene verified anchor bolts are intact 4/26/12.	6/16/2012	Lee, Gerald W.	Completed
Seismic	661	D&R	#4 RHENIFORMER	2011		E-3570A/B	Anchor bolts elevated with no access.	Provide ladder or scaffolding for engineer to verify presence of anchor bolts and nuts.	Maximo W/R 349282 - Grout installed per task # 002 of W/O.	6/16/2012	Lee, Gerald W.	Completed
Seismic	662	D&R	#4 RHENIFORMER	2011		E-3592	Cracked fireproofing SE col (pic 1), east col (pic 2), west col (pic 3), ans SW col (pic 4)	Remove fireproofing and inspect structural steel for corrosion. Report inspection results to Engineer.	Work complete per Designs Engineering work order # 6652 on Maximo W/O 349282	6/16/2012	Lee, Gerald W.	Completed

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Seismic	663	D&R	#4 RHENIFORMER	2011		V-3561	Corroded anchor bolts and missing nut (pic 5)	Perform engineering evaluation to determine if new anchor bolts are needed, and if not, missing nut for bolt too close to skirt.	Civil engineer Al Greene evaluated V-3561 for seismic loading. It is a 12,400 lb x 4' diameter x 12' high vertical vessel in 4 Rheniformer which is missing a nut on one anchor bolt. The existing bolts and concrete are adequate with only 7 bolts effective in resisting overturning and shear. No further work is required.	6/16/2012	Lee, Gerald W.	Completed
Seismic	664	D&R	#4 RHENIFORMER	2011		P-3592/A	No anchor bolts (pics 6 & 7)	Perform engineering evaluation to determine if new anchor bolts are needed.	Work complete per Designs Engineering work order # 6652 on Maximo W/O 349282	6/16/2012	Lee, Gerald W.	Completed
Seismic	665	D&R	#4 RHENIFORMER	2011		P-3553A	Only 3 anchor bolts (pic 8)	Perform engineering evaluation to determine if 3 anchor bolts are adequate.	Civil engineer Al Greene evaluated P-3553A for seismic loading with only three anchor bolts. Most pumps of this type have four anchor bolts, however it was determined the existing bolts and concrete are adequate with only 3 bolts effective in resisting overturning and shear. No further work is required.	6/16/2012	Lee, Gerald W.	Completed
Seismic	678	D&R	#4 RHENIFORMER	2011		Penehx supply return line	At southeast corner of Cooling Water Tower, nuts on two supports of the line are not tight.	Tighten nuts.	Work performed on Maximo W/R 349282-011	6/16/2012	Lee, Gerald W.	Completed
Seismic	679	D&R	#4 RHENIFORMER	2011		D-3413 Chemical Injection Tank	Nut on anchor bolt at southwest corner is missing on hold down for the tank. Bolt does not extend up high enough to install nut.	Perform engineering calculations to determine if nut and bolt are required.	Work performed on Maximo W/R 349282-013	6/16/2012	Lee, Gerald W.	Completed